

FIG. I

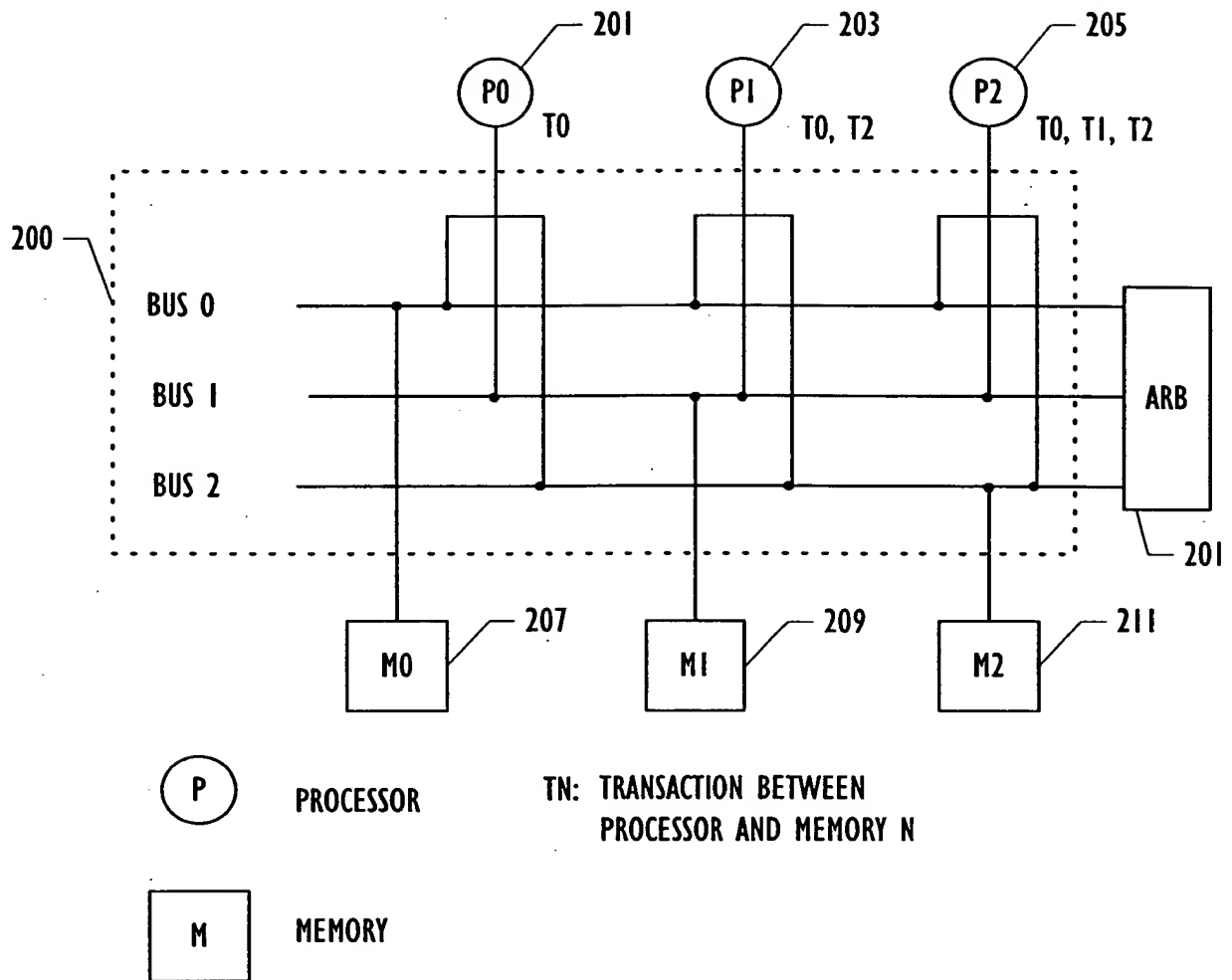


FIG. 2

	RESOURCES		
	0	1	2
0	×	0	0
1	○	1	1
2	1	1	1

R

FIG. 3A

I	J	RES	NRQ
1	0	0	nrq[0] = 1 nrq[1] = 2 nrq[2] = 3

○ ROUND-ROBIN POSITION
× GRANTED REQUEST

	RESOURCES		
	0	1	2
0	×	0	0
1	0	1	1
2	1	×	1

R

FIG. 3B

I	J	RES	NRQ
1	0	1	nrq[0] = 0 nrq[1] = 2 nrq[2] = 2

○ ROUND-ROBIN POSITION
× GRANTED REQUEST

	RESOURCES		
	0	1	2
0	×	0	○
1	0	1	×
2	0	×	0

R

FIG. 3C

I	J	RES	NRQ
1	0	2	nrq[0] = 0 nrq[1] = 1 nrq[2] = 0

○ ROUND-ROBIN POSITION
× GRANTED REQUEST

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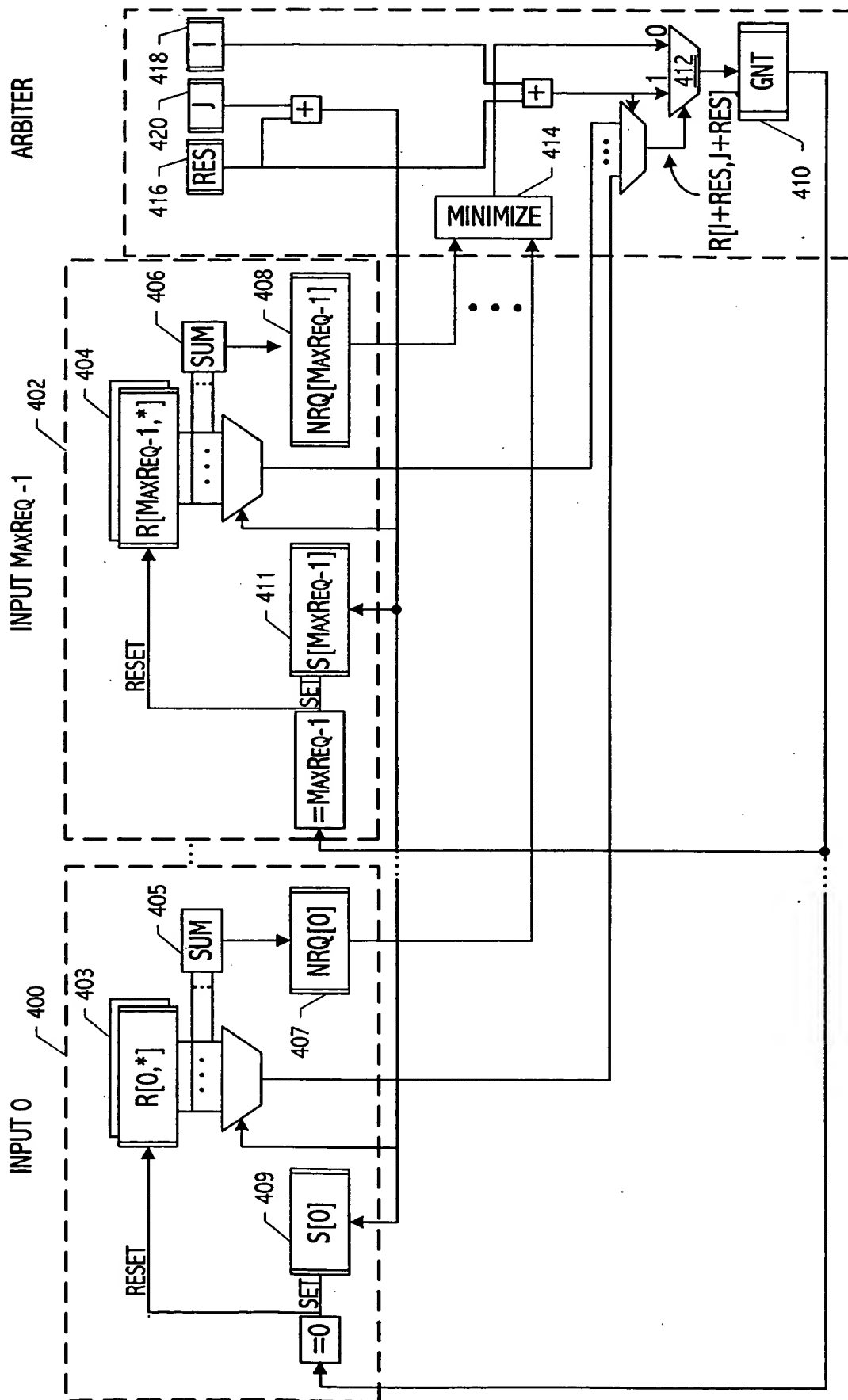


FIG. 4

	REQUESTORS	RESOURCES		
		0	1	2
	0	1	0	1
	1	0	×	1
	2	0	1	1

R

I	J	REQ	NRQ
1	0	0	nrq[0] = 1 nrq[1] = 2 nrq[2] = 3

○ ROUND-ROBIN POSITION
 × GRANTED REQUEST

FIG. 5A

	REQUESTORS	RESOURCES		
		0	1	2
	0	1	0	1
	1	0	×	1
	2	0	○	×

R

I	J	REQ	NRQ
1	0	1	nrq[0] = 1 nrq[1] = 0 nrq[2] = 3

○ ROUND-ROBIN POSITION
 × GRANTED REQUEST

FIG. 5B

	REQUESTORS	RESOURCES		
		0	1	2
	0	×	0	○
	1	0	×	0
	2	0	0	×

R

I	J	REQ	NRQ
1	0	2	nrq[0] = 1 nrq[1] = 0 nrq[2] = 0

○ ROUND-ROBIN POSITION
 × GRANTED REQUEST

FIG. 5C

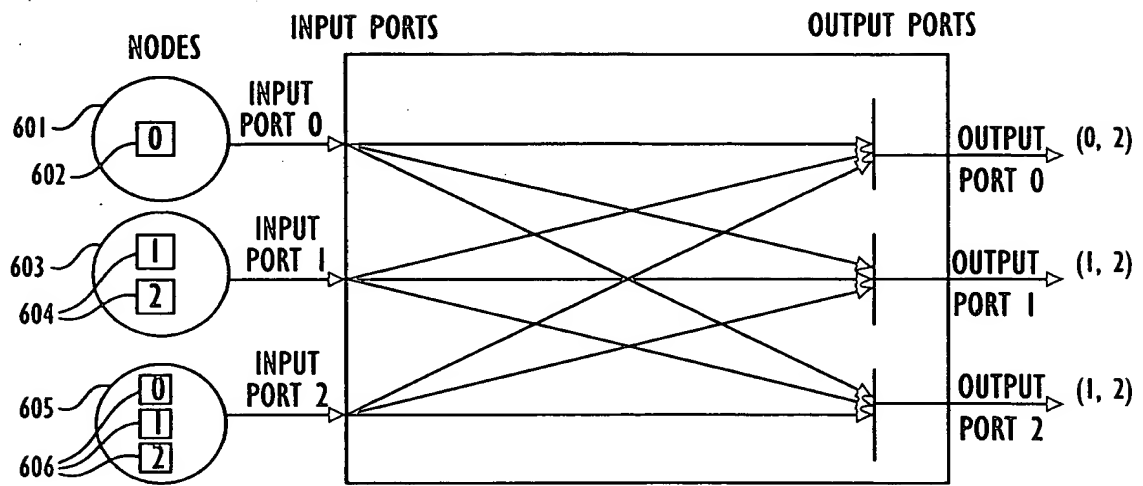


FIG. 6

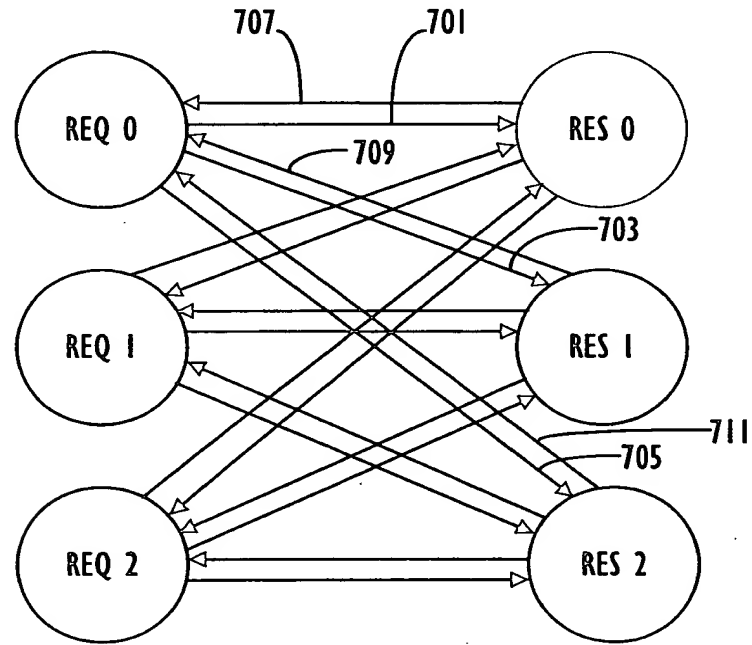


FIG. 7

	Output Port 0	Output Port 1	Output Port 2
REQUEST VECTOR 0	1	0	0
REQUEST VECTOR 1	0	1	1
REQUEST VECTOR 2	1	1	1

FIG. 8

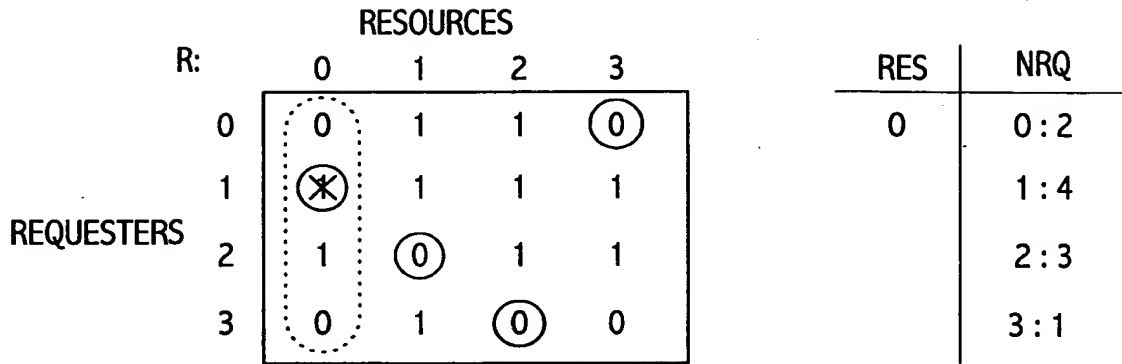


FIG. 9A

○ ROUND-ROBIN POSITION
 × GRANTED REQUEST
 I = 1, J = 0

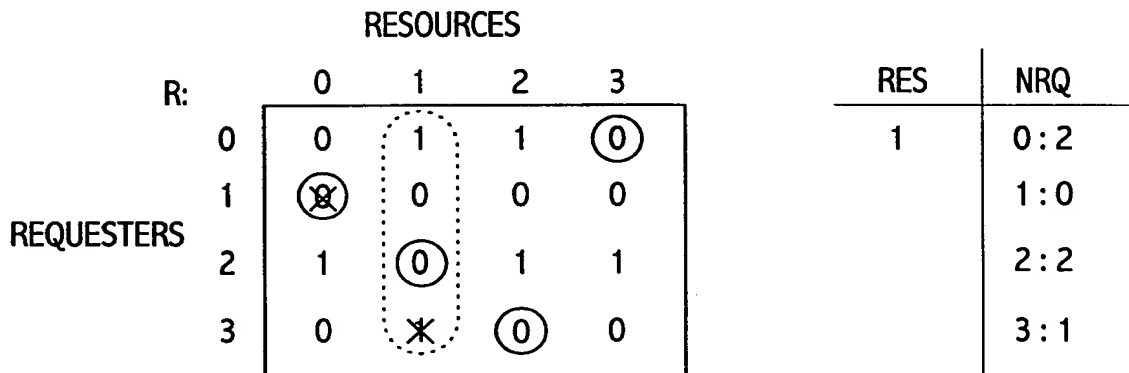


FIG. 9B

○ ROUND-ROBIN POSITION
 × GRANTED REQUEST
 I = 1, J = 0

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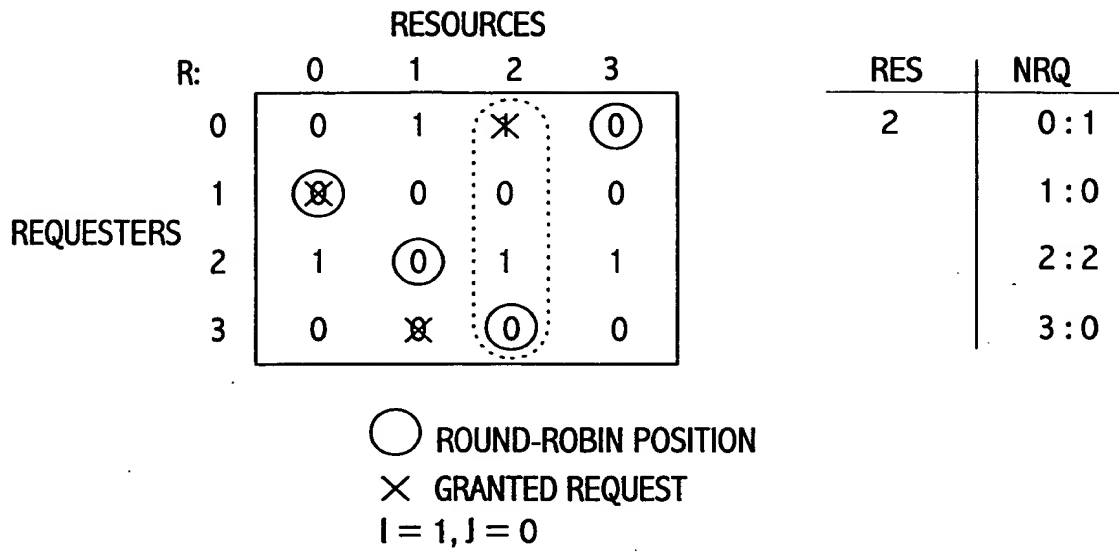


FIG. 9C

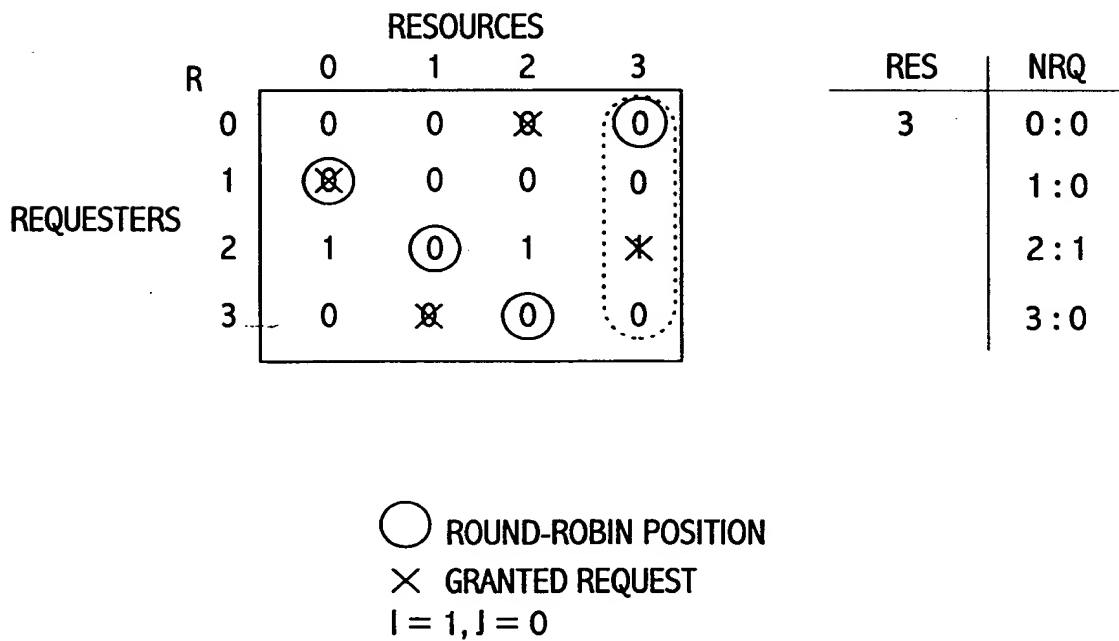


FIG. 9D

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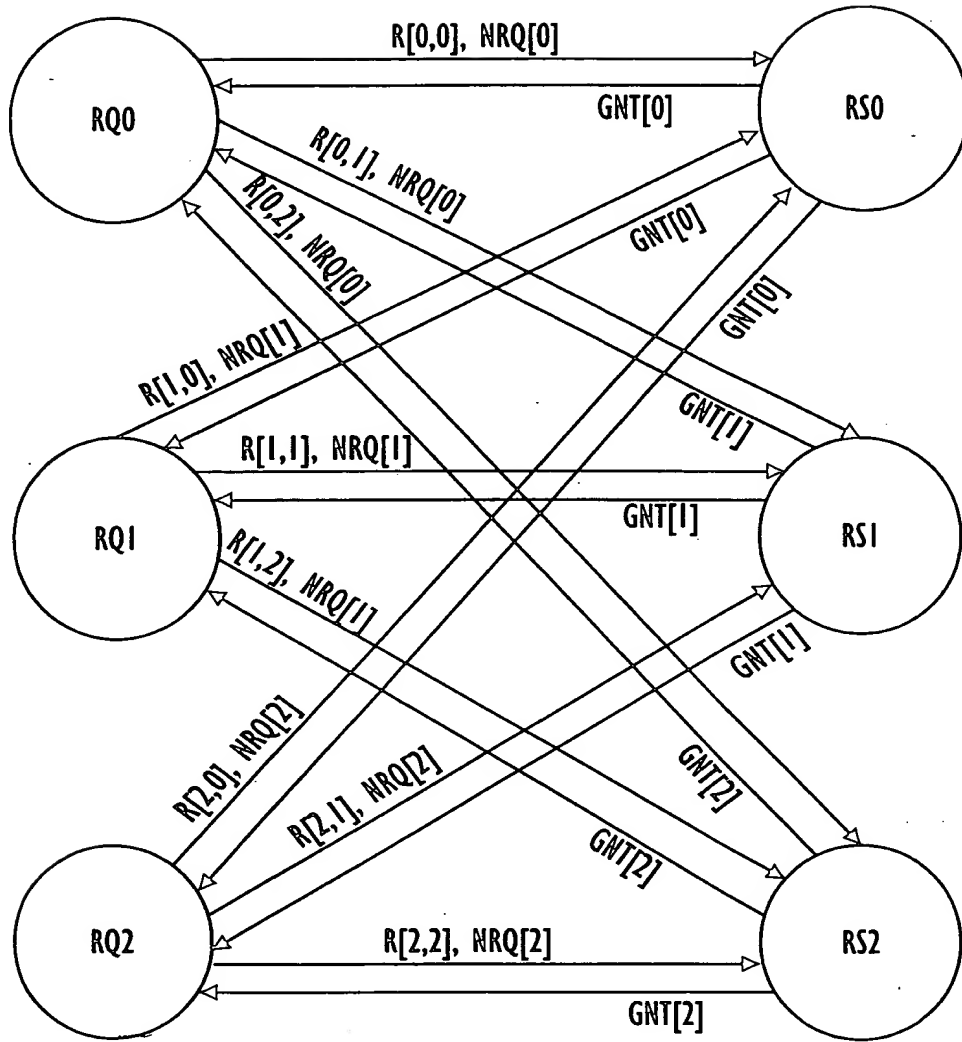


FIG. 10

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R:	RESOURCES				IT	NRQ	GNT	NRS	ACC
	0	1	2	3					
REQUESTERS	0	0	✱	①	0	0:1	0:1	0:2	0:2
	1	✱	1	1		1:4	1:3	1:2	1:0
	2	1	①	1		2:3	2:0	2:3	2:-1
	3	0	✱	①		3:2	3:3	3:3	3:1

FIG. 11A

○ ROUND-ROBIN POSITION
 ✱ GRANT ACCEPTED BY REQUESTOR
 □ GRANT SENT BY RESOURCE
 I = 1, J = 0

R:	RESOURCES				IT	NRQ	GNT	NRS	ACC
	0	1	2	3					
REQUESTERS	0	0	✱	①	1	0:0	0:1	0:1	0:2
	1	✱	0	0		1:0	1:3	1:0	1:0
	2	1	①	✱		2:3	2:0	2:1	2:3
	3	0	✱	①		3:0	3:2	3:1	3:1

FIG. 11B

○ ROUND-ROBIN POSITION
 ✱ GRANT ACCEPTED BY REQUESTOR
 □ GRANT SENT BY RESOURCE
 I = 1, J = 0

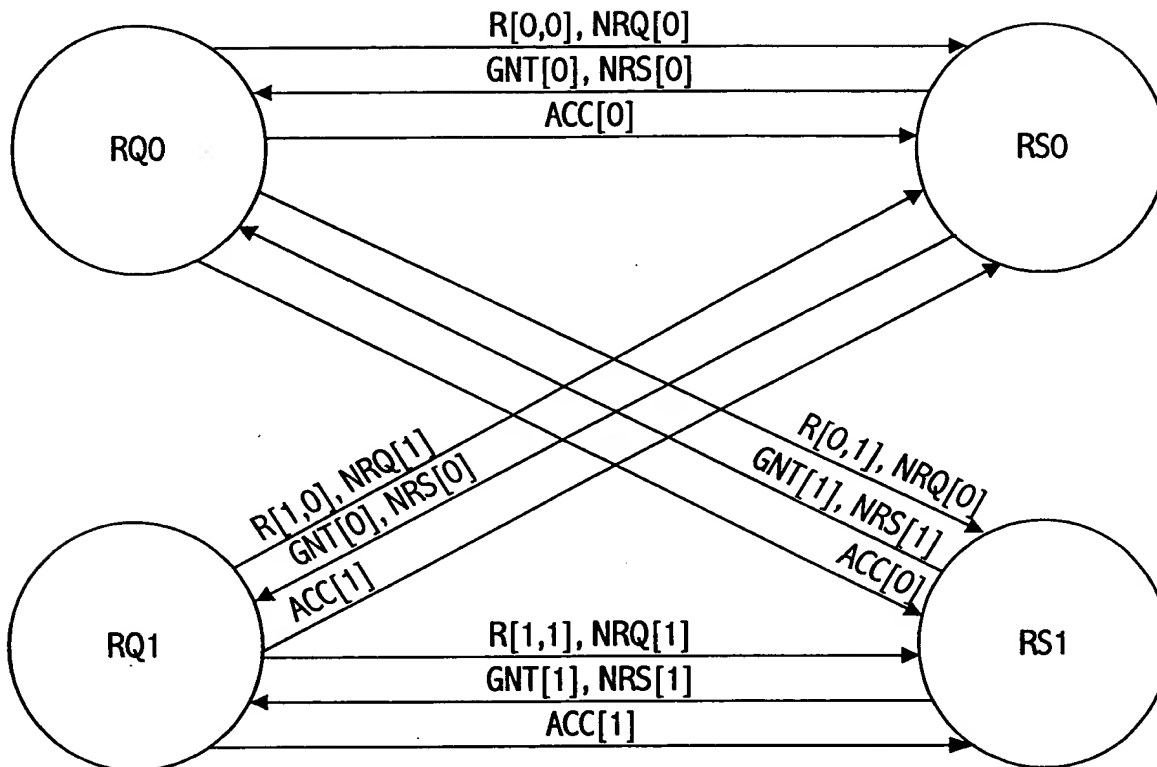


FIG. 12

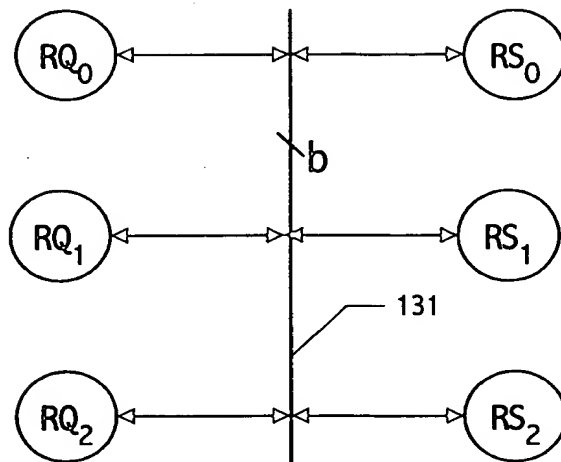


FIG. 13

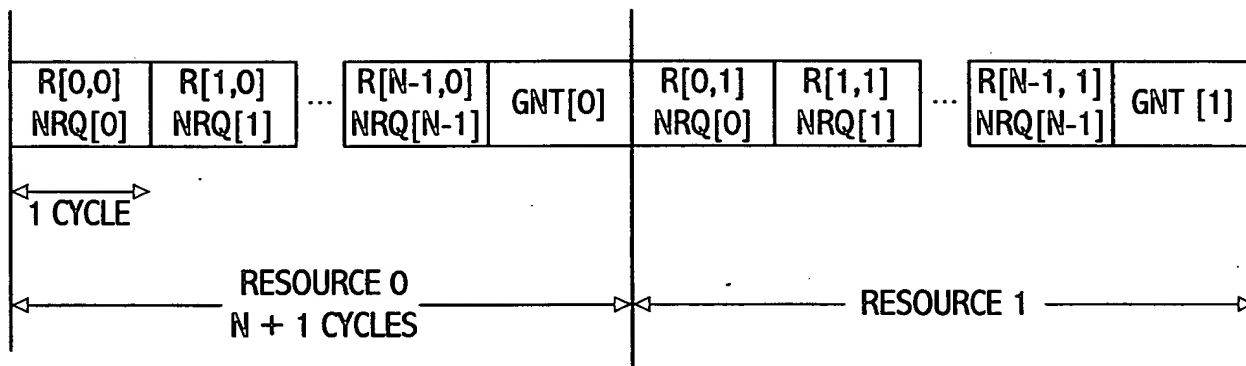


FIG. 14

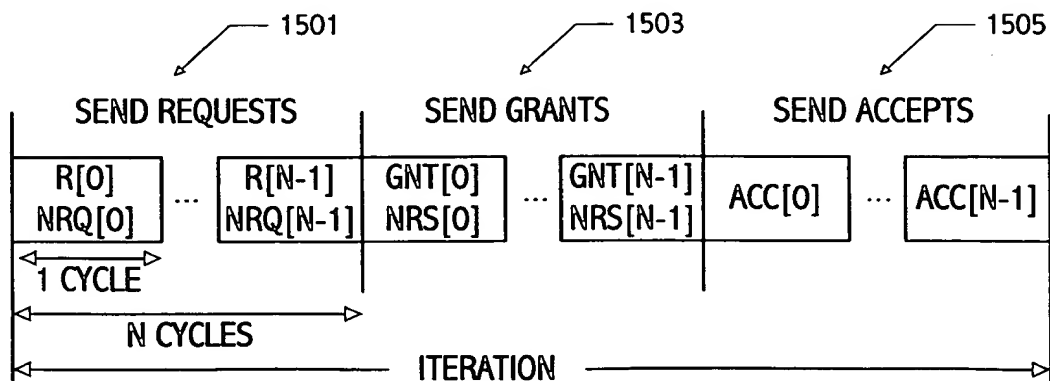


FIG. 15

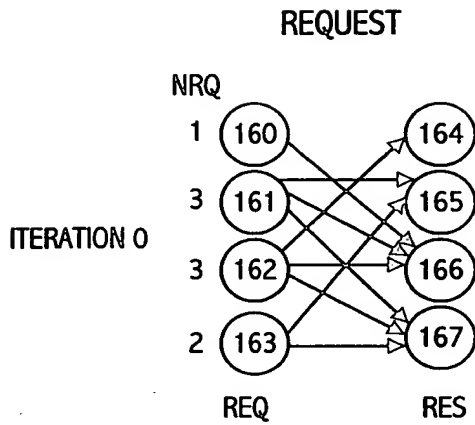


FIG. 16A

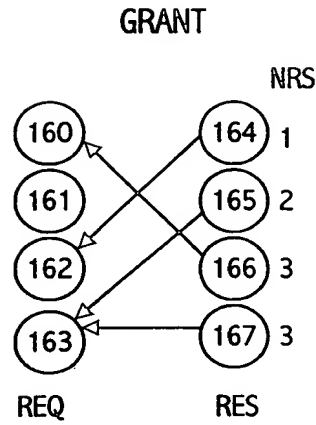


FIG. 16B

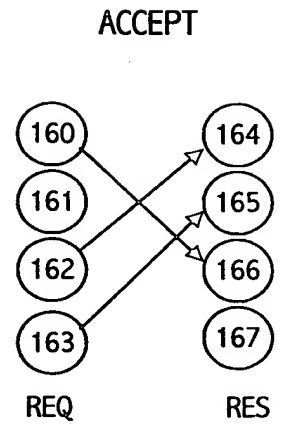


FIG. 16C

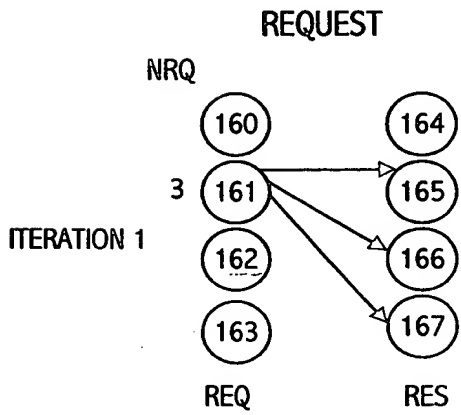


FIG. 16D

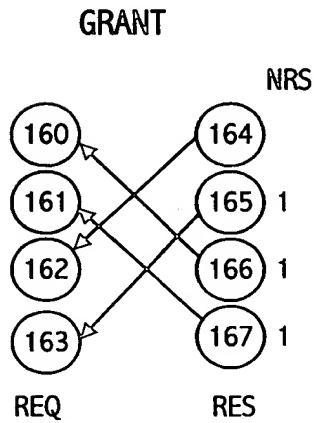


FIG. 16E

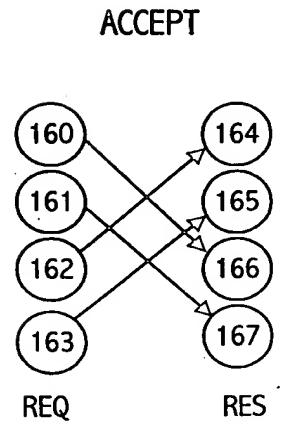


FIG. 16F

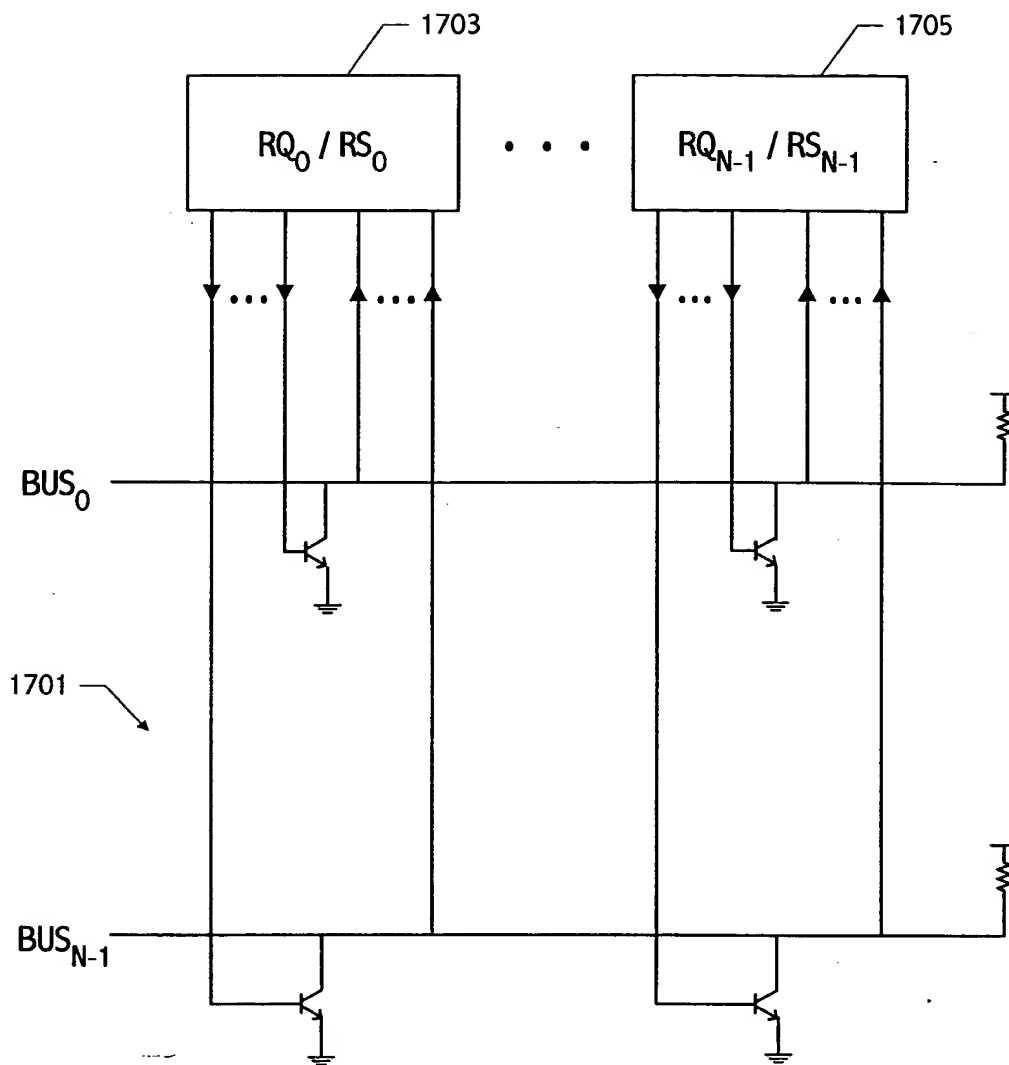


FIG. 17

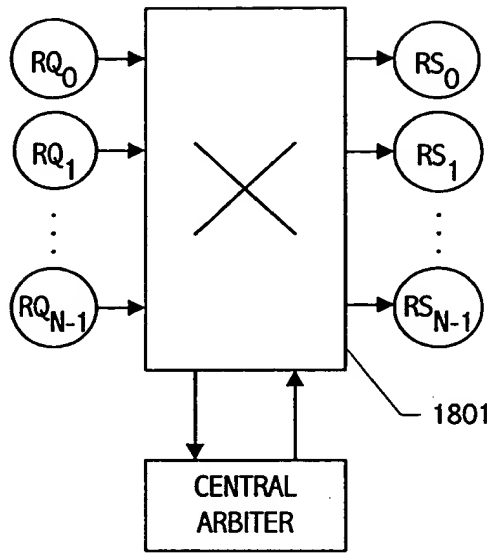


FIG. 18A

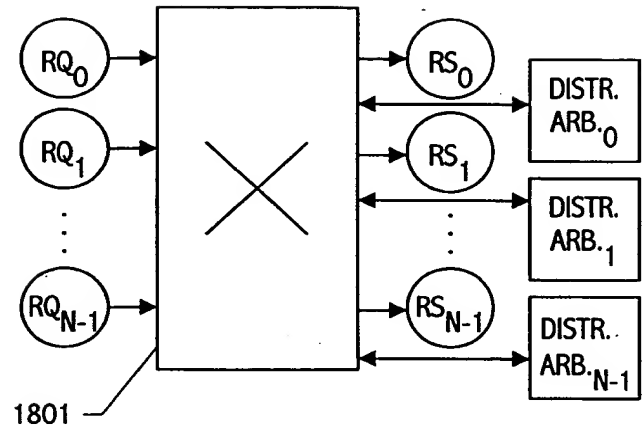


FIG. 18B